Abstract

In transportation planning concepts are usually done sequentially the Trip Generation, Trip Distribution, Modal Split, Traffic Assignment. One of the transportation planning concepts in the traffic assignment (traffic load), The important to do is search for the shortest route from one node of origin to the one node of destination. Determination of the shortest route searches can usually be done manually, but this way can only be done on a simple road network. If the road network is very complex (in urban areas) the manual calculation would require considerable time and require high precision. Therefore, in this Final Project will be made to help computer programs to calculate traffic assignment using Microsoft Visual Basic 6.0.

Traffic assignment method used in this final is an all or nothing iterative method. To obtain the shortest route to the formula used cost function davidson.

Results obtained from this final task is the acquisition of computer aids program for calculating traffic assignment using Microsoft Visual Basic 6.0, so we get the shortest route from an origin node to the destination node and the volume of traffic on each road. With the aid program is expected to save time and simplify the user workmanship in its operation.
Keywords : transportation planning, traffic assignment, microsoft visual basic 6.0